

# Spec Sheet

Multilayer Ceramic Capacitors (High dielectric type) for Automotive (BODY & CHASSIS, INFOTAINMENT) / Industrial Applications

## UMK107ABJ105KAHT



### ■ Features

- Item Summary  
1 $\mu$ F $\pm$ 10%, 50V,  
X5R, 0603/1608 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping paper 4000pcs

### ■ Products characteristics table

Capacitance	1 $\mu$ F $\pm$ 10 %
Case Size (EIA/JIS)	0603/1608
Rated Voltage	50 V
$\tan \delta$ (max)	10 %
Temperature Characteristic (EIA)	X5R
Operating Temp. Range (EIA)	-55 to +85 °C
High Temperature Loading (% Rated Voltage)	150 %
Insulation Resistance (min)	500 M $\Omega$ · $\mu$ F
RoHS Compliance (10 subst.)	Yes
REACH Compliance (191 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

### ■ External Dimensions

Dimension L	1.6 +0.15/-0.05 mm
Dimension W	0.8 +0.15/-0.05 mm
Dimension T	0.8 +0.15/-0.05 mm
Dimension e	0.35 $\pm$ 0.25 mm

2019.03.21

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
TAIYO YUDEN reserves the right to make change to the data at any time without notice.  
Before making final selection, please check product specification.

## Multi Layer Ceramic Capacitor

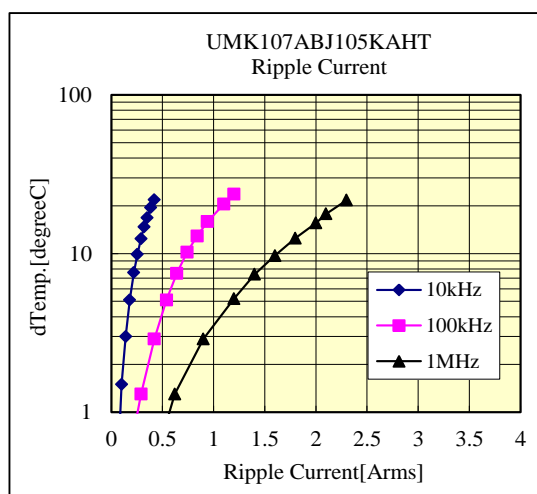
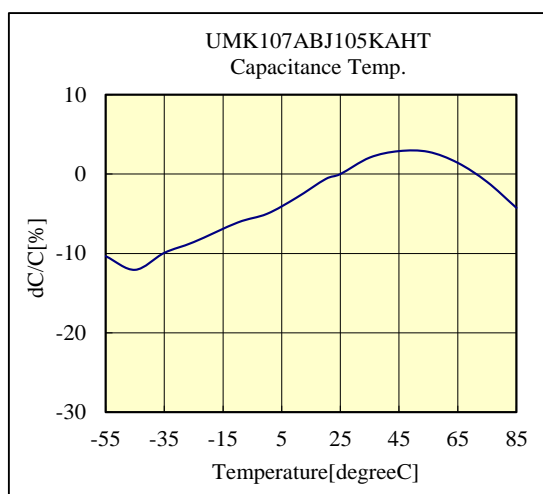
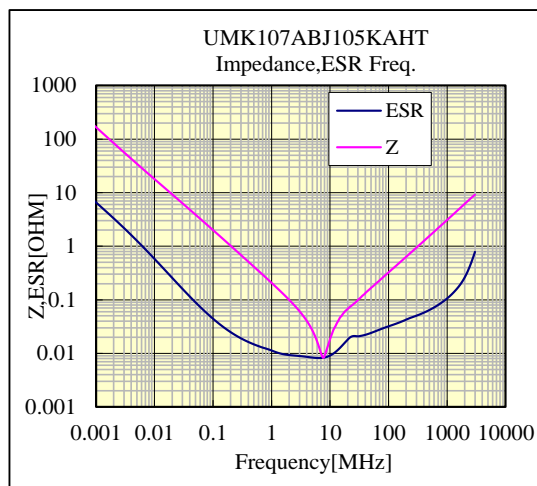
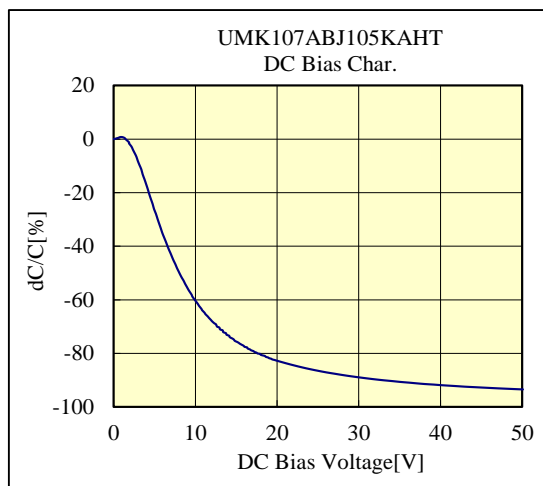
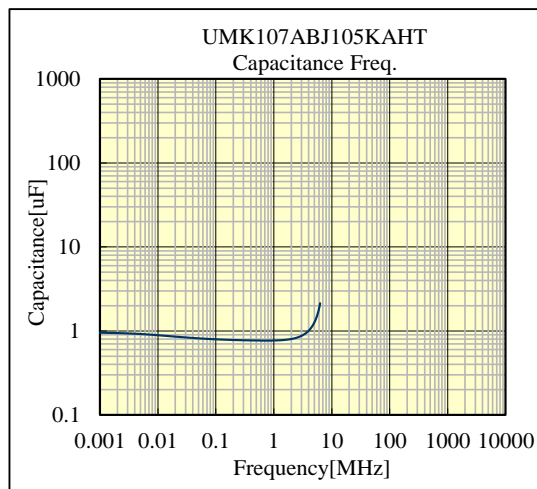
-Electrical Characteristics Data-

17R2A12

RoHS compliance product

### ○UMK107ABJ105KAHT

**50V 1608 X5R 1 $\mu$ F +/- 10% t=0.95mmMAX**  
**50V 0603 X5R 1 $\mu$ F +/- 10% t=0.037inchMAX**



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